

. \_\_!<sub>-</sub>

FIG. I

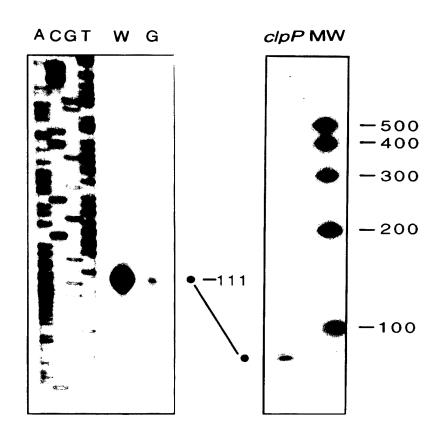


FIG. 2A FIG. 2B

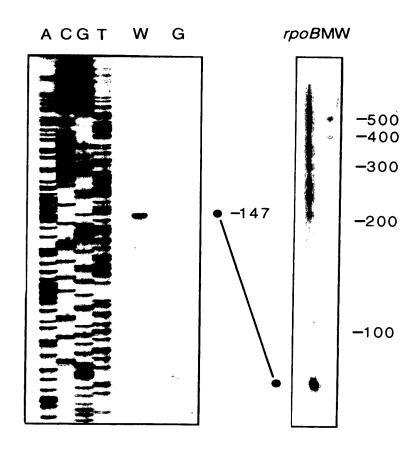


FIG. 3A FIG. 3B

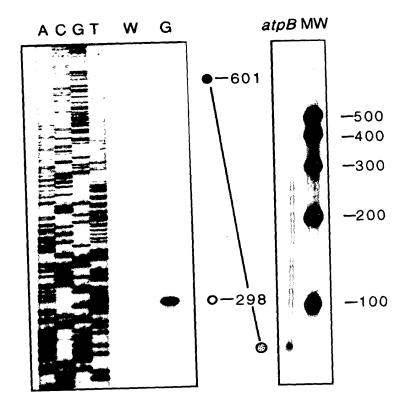


FIG. 4A

FIG. 4B

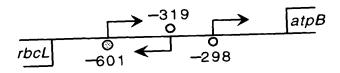
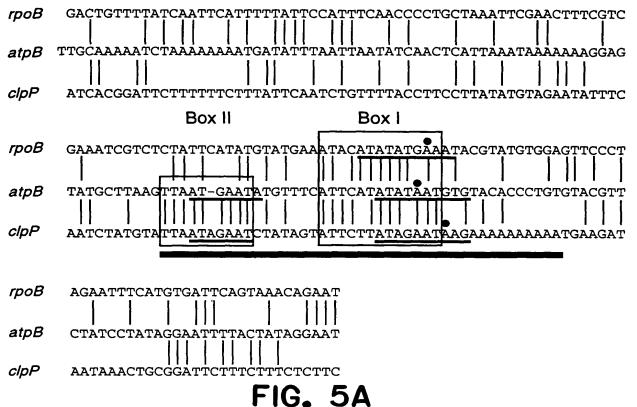


FIG. 4C



	atpB _
Maize	TAAGTTAATGAATATGTTTCATTCATATATAATGTGACACC
Sorghum	TAAGTTAATGAATATGTTTCATTCATATATAATGTGACACC
Barley	TAGGTTAATGAATATGTTTCATTCATATATAATGGGACACC
Wheat	TAGGTTAATGAATATGTTTCATTCATATATAATGGGACACC
Rice	TCANTOANAMAATATGTTTCATTCATATATAATGGGACACC

## FIG. 5B

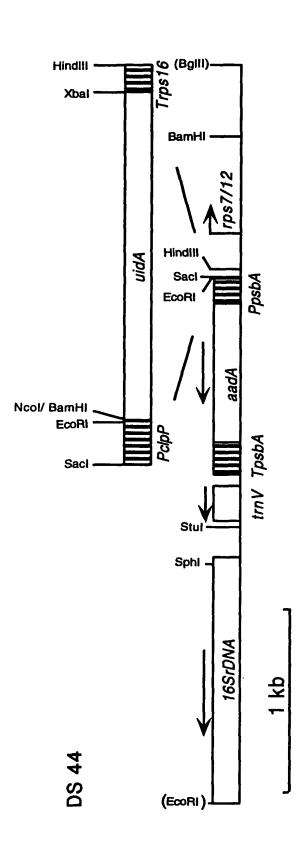
	rpoB
Maize	CTCTATTCATATGTATGAAATACATATATGAAATACGTATG
Rice	CTCTATTCATATGTATGAAATACATATATGAAATACGTATG
	FIG. 5C

clpP Maize TTAATAGAATCTATAGTATTCTTATAGAATAAGAAAAAAA TTAATAGAATCTATAGTATTCATATAGAATAAGAAAAAA Rice TTAATAGAATCTATAGTATTCATATAGAATAAGAA AAAA Wheat

FIG 5D

OS TGTAGTTTTCTTACTTAAATTTAATATAATCTAATATGCCCATTGGTGTTCCAA	<b>—</b>
OS AATAGAATCTATAGTATTCATATAGAAAAAAGTGAAAAACAATAAACTGCGGATTCTTTCT	~ ~
Nt TAGAAAGACCTATTCGTAATTTGAGTTTATTCGTTCTGTTTTCTTTATGAATTTTATATTATA	
JS TUGAATUACCATTUTTTTTTTTTTTTTTTTTTTTTTTT	_

FIG. 6



Saci gagctcgaatcaccattctttttttttattcaatctgtcttatcctacttatatgtataatctttcaatctatgtattatttcaatctacgtacttaat

FIG. 7

Nco

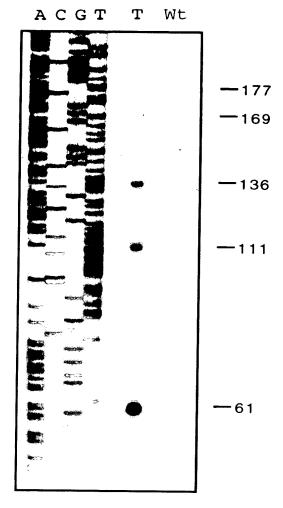


FIG. 8A

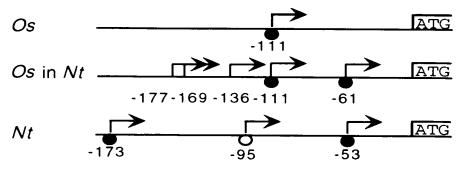


FIG. 8B

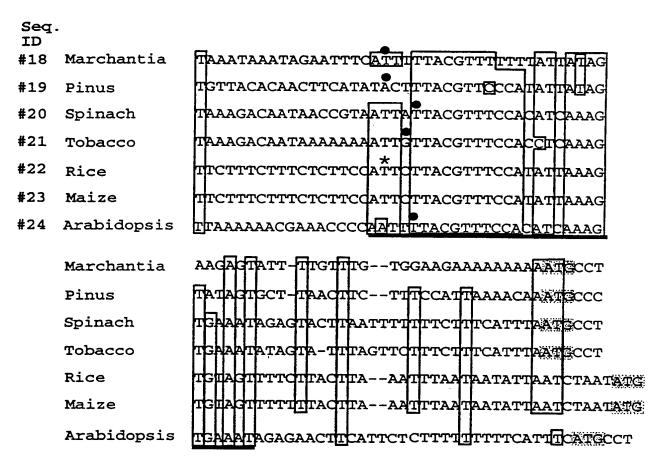


FIG. 9

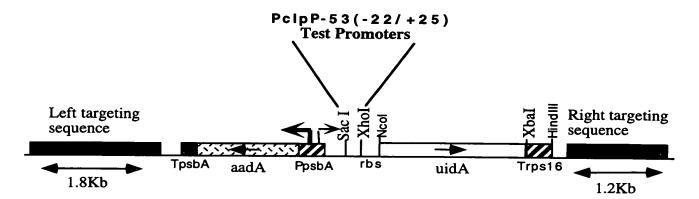
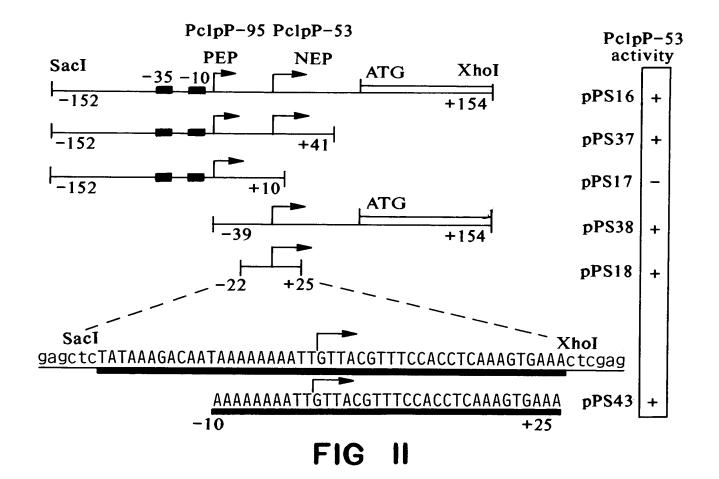
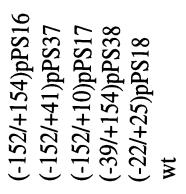


FIG. 10





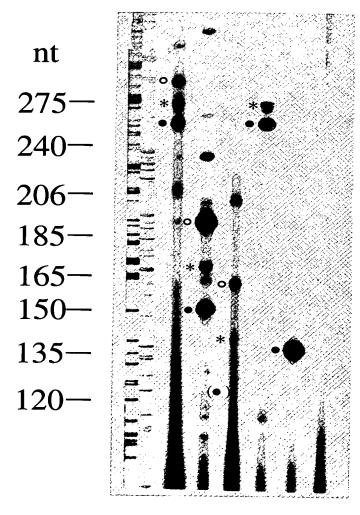


FIG. 12

### \_74579 (c) GAGGLCTATA AAGACAATAA AAAAAATTGT TACGTTTCCA CCTCAAAGTG **74533** (C) 51 AAA<u>ctcgag</u>a attcagttgt agggagggat ccATGGAACA AAAACTCATT 101 TCTGAAGAAG ACTTGgtacg tcctgtagaa accccaaccc gtgaaatcaa 151 aaaactcgac ggcctgtggg cattcagtct ggatcgcgaa aactgtggaa 201 ttgatcagcg ttggtgggaa agcgcgttac aagaaagccg ggcaattgct 251 gtgccaggca gttttaacga tcagttcgcc gatgcagata ttcgtaatta 301 tgcgggcaac gtctggtatc agcgcgaagt ctttataccg aaaggttggg 351 caggccagcg tatcgtgctg cgtttcgatg cggtcactca ttacggcaaa 401 gtgtgggtca ataatcagga agtgatggag catcagggcg gctatacgcc 451 atttgaagcc gatgtcacgc cgtatgttat tgccgggaaa agtgtacgta 501 tcaccgtttg tgtgaacaac gaactgaact ggcagactat cccgccggga 551 atggtgatta ccgacgaaaa cggcaagaaa aagcagtctt acttccatga 601 tttctttaac tatgccggaa tccatcgcag cgtaatgctc tacaccacgc 651 cgaacacctg ggtggacgat atcaccgtgg tgacgcatgt cgcgcaagac 701 tgtaaccacg cgtctgttga ctggcaggtg gtggccaatg gtgatgtcag 751 cgttgaactg cgtgatgcgg atcaacaggt ggttgcaact ggacaaggca 801 ctagcgggac tttgcaagtg gtgaatccgc acctctggca accgggtgaa 851 ggttatctct atgaactgtg cgtcacagcc aaaagccaga cagagtgtga 901 tatctacccg cttcgcgtcg gcatccggtc agtggcagtg aagggccaac 951 agttcctgat taaccacaaa ccgttctact ttactggctt tggtcgtcat 1001 gaagatgcgg acttacgtgg caaaggattc gataacgtgc tgatggtgca

FIG. 13A

```
1051
      cgaccacgca ttaatggact ggattggggc caactcctac cgtacctcgc
1101
      attaccctta cgctgaagag atgctcgact gggcagatga acatggcatc
1151
      gtggtgattg atgaaactgc tgctgtcggc tttaacctct ctttaggcat
1201
      tggtttcgaa gcgggcaaca agccgaaaga actgtacagc gaagaggcag
1251
      tcaacgggga aactcagcaa gcgcacttac aggcgattaa agagctgata
1301
      gcgcgtgaca aaaaccaccc aagcgtggtg atgtggagta ttgccaacga
1351
      accggatacc cgtccgcaag tgcacgggaa tatttcgcca ctggcggaag
1401
      caacgcgtaa actcgacccg acgcgtccga tcacctgcgt caatgtaatg
1451
      ttctgcgacg ctcacaccga taccatcagc gatctctttg atgtgctgtg
1501
      cctgaaccgt tattacggat ggtatgtcca aagcggcgat ttggaaacgg
1551
      cagagaaggt actggaaaaa gaacttctgg cctggcagga gaaactgcat
1601
      cagccgatta tcatcaccga atacggcgtg gatacgttag ccgggctgca
1651
      ctcaatgtac accgacatgt ggagtgaaga gtatcagtgt gcatggctgg
1701
      atatgtatca ccgcgtcttt gatcgcgtca gcgccgtcgt cggtgaacag
      gtatggaatt tcgccgattt tgcgacctcg caaggcatat tgcgcgttgg
1751
1801
      cggtaacaag aaagggatet teactegega eegcaaaceg aagteggegg
1851
      cttttctgct gcaaaaacgc tggactggca tgaacttcgg tgaaaaaccg
      cagcagggag gcaaacaatg aatcaacaac tctcctggcg caccatcgtc == 5087 (c)
1901
      ggctacagcc tcggtgggga attgctctag aGAAATTCAA TTAAGGAAAT
1951
2001
      AAATTAAGGA AATACAAAAA GGGGGGTAGT CATTTGTATA TAACTTTGTA
      TGACTTTTCT CTTCTATTTT TTTGTATTTC CTCCCTTTCC TTTTCTATTT
2051
                                      ■4939 (c)
      GTATTTTTT ATCATTGCTT CCATTGAATT aattcaagct t Hindll
2101
```

FIG. 13B

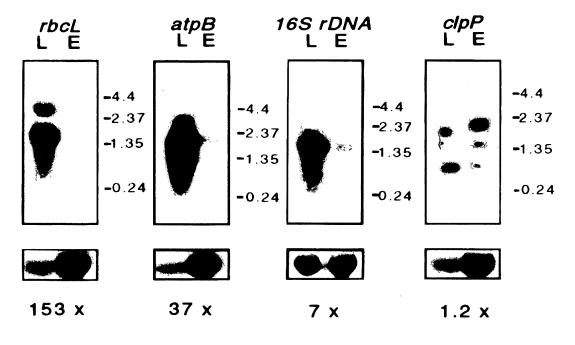
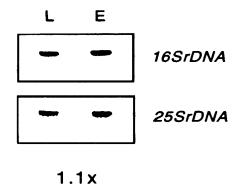


FIG. 14



**FIG 15** 

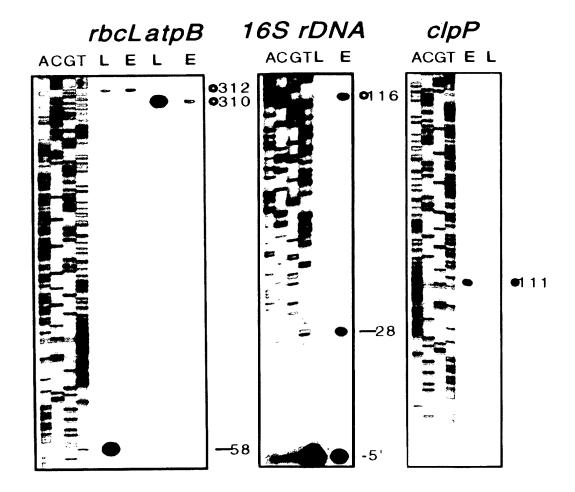


FIG. 16

### 16SrDNA

maize	CACCATCGAACGGGAATGGATAGGAGGCTTGTGGGATTGA	ACGTGATA
rice	CCCCCCACGACCGCGAATGGATAGAGGCTTGTGGGATTG	ACGTGATA
_	-1170	
maize	GGGTAGGGTTGGCTATACTGCTGGTGGCGAACTCCAGGCTAAT	FAATCTGA
rice	GGGTAGGGTTGGCTATACTGCTGGTGGCGAACTCCAGGCTAAT	TAATCTGA
	-1160	
maize	AGCGCATGGATACAAGTTATCCTTGGAAGGAAAGACAATTCCC	BAATCCGC
rice	<u>AGCGCATGGATACAAGTTATCCTTGGAAGGAAAGACAATTCCC</u>	BAATCCGC
	-30	5'
maize	TTTGTCTACGAATAAGGAAGCTATAAGTAATGCAACTATGAA	CTCATGG
rice	TTTGTCTACGAATAAGGAAGCTATAAGTAATGCAACTATGAAT	CTCATGG
	-2'8	

# FIG. 17A

clpP

**FIG. 17B**